#4

Case No. 1858-25

RULE 63 (37 C.F.R. 1.63)

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DECLARATION AND POWER OF ATTORNEY

FOR PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Nixon & Vanderhye P.C. (12/97)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SELF-CROSS-LINKING ALKYL CELLULOSE DERIVATIVE, PRODUCTION PROCESS THEREFOR, AND USE THEREOF the specification of which (check applicable box(s)): is attached hereto × was filed on January 29, 2001 as U.S. Application Serial No. was filed as PCT International application No. and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. Date/Month/Year Filed **Application Number** I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Status: patented Application Serial No. Day/Month/Year Filed pending, abandoned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334. Inventor's Signature: Fumio Inventor: Japan МІ (first) (last) (citizenship) Residence: (city) Takasaki-shi, Gunma (state/country) Japan c/o Japan Atomic Energy Research Institute, Takasaki Radiation Chemistry Research Establishment Post Office Address: 1233, Watanuki-cho, Takasaki-shi, Gunma, Japan (Zip Code) 370-1207 Inventor's Signature: Date: **KUME** Inventor: Tamikazu Japan МІ (first) (last) (citizenship) Takasaki-shi, Gunma Residence: (city) (state/country) Japan c/o Japan Atomic Energy Research Institute, Takasaki Radiation Chemistry Research Establishment Post Office Address: 1233, Watanuki-cho, Takasaki-shi, Gunma, Japan 370-1207 (Zip Code) Inventor's Signature: Date: Japan Inventor: Tadashi **MURAKAMI** MI (citizenship) (first) (last) Residence: (city) Matsudo-shi, Chiba (state/country)

1-323, shinmatsudominami, Matsudo-shi, Chiba, Japan

FOR ADDITIONAL INVENTORS, check box and attach sheet with same information and signature and date for each.

Post Office Address:

(Zip Code)

270-0035

1858-25 FDA-193US Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the sne	eification of which /chock	applicable box(s)):				
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[] [X]	is attached hereto was filed on	January 29, 2001	as U.S. Application Serial No.	09/770,634	(Atty	Dkt. No. 1858-25)
[^]	was filed as PCT Internat	• •	as o.s. Application octial No.	on	(rity.	DKI: 110: 1000 20)
	applicable to U.S. or PCT	• •	ad on	3 11		
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amend defined listed b which p	ment referred to above. I d in 37 C.F.R. 1.56. I here below and have also identif	acknowledge the duty to by claim foreign priority b ïed below any foreign ap	ntents of the above identified specifications to the Patent Office all informations and index of the plication for patent or inventor's certical the filing date of this application:	rmation known to me any foreign applicatio	to be material n(s) for patent	to patentability as or inventor's certific
	Application Numb	er	Country		Day/N	Month/Year Filed
•	11-177517		Japan	23	June 1999 (Pri	ority Not Claimed)
i hereb	y claim the benefit under 3	ا 35 U.S.C. 120/365 of all	prior United States and PCT internati	ional applications liste	ed above or be	low:
	J.S./PCT Application(s):					Status: patented
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